

TABULAR DATA SHEET

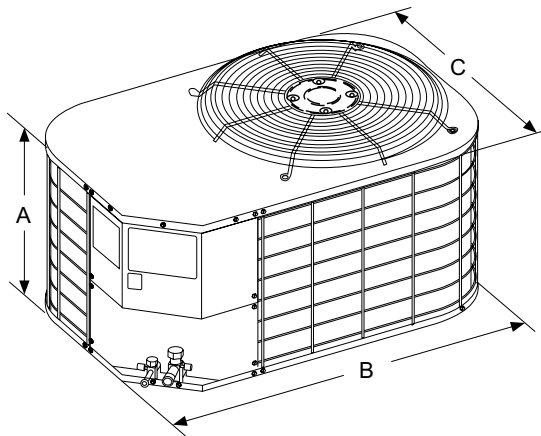
Outdoor Split System Air Conditioner 2 Thru 4 Tons

**MODELS: DRCQ018 THRU 048
12 SEER**

Physical and Electrical Data

MODEL		DRCQ0241BE		DRCQ0301BE		DRCQ0361BE		DRCQ0421BE		DRCQ0481BE	
Unit Supply Voltage		208/230 – 1 – 60									
Normal Voltage Range ¹		187 to 252									
Minimum Circuit Ampacity		14.1		16.5		19.7		26.2		28.5	
Max. Overcurrent Device Amps ²		25		25		30		45		50	
Compressor Type ³		Inertia		Recip		Recip		Scroll ^B		Recip	
Compressor Amps	Rated Load	10.9		12.8		14.7		19.9		21.8	
	Locked Rotor	60		68		82		115		105	
Crankcase Heater		No		No		Yes		No		No	
Fan Motor Amps	Rated Load	0.5		0.5		1.3		1.3		1.3	
	Fan Diameter Inches	18		22		22		22		22	
Fan Motor	Rated HP	1/12		1/15		1/4		1/4		1/4	
	Nominal RPM	1,100		850		850		850		850	
	Nominal CFM	2,000		2,300		3,300		3,300		3,300	
Minimum Wire Size 75° C Copper (Max Length in Ft)	AWG	10	8	10	8	10	8	10	8	10	8
	208V Max Length	70	111	62	98	51	82	36	58	40	64
	230V Max Length	77	123	68	109	57	90	40	64	44	70
Coil	Face Area Sq. Ft.	12.58		15.72		15.72		17.03		19.65	
	Rows Deep	1		1		1		1		1	
	Fin / Inches	18		18		18		18		18	
Liquid Line OD		3/8		3/8		3/8		3/8		3/8	
Vapor Line OD		3/4		3/4		3/4		7/8		7/8	
Unit Charge (Lbs. - Oz.) ⁴		3 - 5		4 - 6		4 - 0		5 - 9		6 - 4	
Charge Per Foot, Oz.		0.68		0.68		0.68		0.70		0.70	
Operating Weight Lbs.		146		156		161		157		190	

1. Rated in accordance with ARI Standard 110, utilization range "A".
2. Dual element fuses or HACR circuit breaker.
3. All scrolls listed with a superscript "B" are Bristol scrolls. All scrolls listed with a superscript "C" are Copeland scrolls.
4. The Unit Charge is correct for the outdoor unit, matched indoor coil and 15 feet of refrigerant tubing. For tubing lengths other than 15 feet, add or subtract the amount of refrigerant, using the difference in length multiplied by the per foot value.



All dimensions are in inches. They are subject to change without notice. Certified dimensions will be provided upon request.

Unit Model	Dimensions (Inches)			Refrigerant Connection Line Size	
	A ¹	B	C	Liquid	Vapor
024	25	35	23	3/8"	3/4"
030	27	37	27		3/4"
036	27	37	27		3/4"
042	29	37	27		7/8"
048	33	37	27		7/8"

1. Included fan guard.
- * Reducer Required

Additional R-22 Charge / Orifice Size for Various Matched Systems

Additional R-22 Charge / Orifice Size for Various Matched Systems					
Outdoor Unit	DRCQ0241BE	DRCQ0301BE	DRCQ0361BE	DRCQ0421BE	DRCQ0481BE
Factory R-22 Charge, lbs-oz	3 - 5	4 - 6	4 - 0	5 - 9	6 - 4
Rated CFM	750	1000	1200	1400	1575
PreCharged Indoor Coils ¹	Pre-charged Refrigerant Line Set ² See Table Below				

Indoor Coil	Pre-charged Refrigerant Line Set				
MDH24MQD	2442-				
MBC30MQD		2442-			
MBH36DQD			2442-		
MBH48DQD				2455-	
MDC48DQD				2455-	
MBC55DQD					2455-
MDC48MQD ³	2442-	2442-			
MDC48DQD ³			2442-		2455-

Footnotes:

1. These indoor coils are shipped with 8 oz. of refrigerant (R-22).
2. Match series number with table below for complete line set Part Number. (I.e. 2442- indicates 2442-8151 for a 15 ft installation requirement.
3. Requires field installation of start kit package.

Pre-charged Refrigerant Line Set	Line Set Length (ft)	Factory R-22 charge lbs-oz	Liquid Line Size	Suction Line Size
2442-8151	15	0 - 11.4	3/8	3/4
2442-8201	20	0 - 15		
2442-8251	25	1 - 3		
2442-8301	30	1 - 6		
2442-8401	40	1 - 14		
2442-8501	50	2 - 6		
2455-8151	15	0 - 12	3/8	7/8
2455-8201	20	0 - 15		
2455-8251	25	1 - 4		
2455-8301	30	1 - 7		
2455-8401	40	1 - 15		
2455-8501	50	2 - 7		

Procedures:

1. Unit factory charge listed on the unit nameplate includes refrigerant for the condenser only.
2. Verify the pre-charged line set size and the additional charge required for the specific evaporator coil in the system using the above table.
3. Permanently mark the unit nameplate with the total system charge. Total System Charge = Base charge (as shipped) + 8 oz for Indoor coil + charge for line set.